


**IEPA – DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the offices and milking parlor at the dairy. The digester is visible to the left, and a freestall barn is visible to the right. The view is south.	
Photo #: 1	
Photo Title: 041912_HunterHaven_LH(40)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the interior of one of the freestall barns. Alleys are scraped to troughs, and liquid from the reception pit is pumped back to the freestall barns to flush the flumes. The view is north.	
Photo#: 2	
Photo Title: 041912_HunterHaven_LH(24)	

Initials: svf


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DIGITAL PHOTO REPORT**

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the interior of the pre-fresh barn. The view is north.	
Photo #: 3	
Photo Title: 041912_HunterHaven_LH(19)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the bedding in one of the freestall barns. Bedding is manure solids that have passed through the digester with the liquid waste stream and are separated and dried.	
Photo #: 4	
Photo Title: 041912_HunterHaven_LH(4)	

Initials: svf


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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of one of the alley troughs at the end of a freestall barn. Waste is manually scraped to the trough and then flushed to the reception pit.	
Photo #: 5	
Photo Title: 041912_HunterHaven_LH(23)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the reception pit and pumps. The small structure at lower right contains the flushing flume for the pre-fresh barn alley troughs. Parlor wastewater is used to flush the flume. The primary lagoon is visible at left. The view is southwest.	
Photo#: 6	
Photo Title: 041912_HunterHaven_LH(20)	

Initials: svf


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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: Another view of the reception pit. Flume pumps are to the right. A mixer is partially visible in the background. The pump at the left discharges waste to the digester. The pit will overflow to the waste lagoon in the background if the pump fails. The view is south.	
Photo #: 7	
Photo Title: 041912_HunterHaven_LH(5)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A close-up view of the digester effluent. Wastewater flows from the digester to the solids separator.	
Photo#: 8	
Photo Title: 041912_HunterHaven_LH(18)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the discharge from the solids separator through the dryers to the solids storage area. Material from this stockpile is used for bedding material.	
Photo #: 9	
Photo Title: 041912_HunterHaven_LH(14)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the exterior of the solids separator building. Generators are located in the far end of this building to produce electricity from the methane produced by the digester. A minimal amount of bedding material was deposited on the concrete pad. Kirk Bergstrom and Doug Block are pictured. The view is south.	
Photo#: 10	
Photo Title: 041912_HunterHaven_LH(15)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of a skid steer being used to haul bedding material from the building in Photos 9 and 10 to the freestall barns. The primary lagoon is visible at the left. The reception pit and a freestall barn are visible at the right. The view is west.	
Photo #: 11	
Photo Title: 041912_HunterHaven_LH(16)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of one of the monitoring wells downhill from the waste storage lagoons. The view is southeast with cropfields in the background.	
Photo#: 12	
Photo Title: 041912_HunterHaven_LH(12)	

Initials: svf


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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the primary wastewater lagoon. The freeboard marker and the influent pipe are visible in the background. The discharge pipe to the secondary lagoon is visible in the foreground.	
Photo #: 13	
Photo Title: 041912_HunterHaven_LH(8)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the discharge pipe from the primary lagoon to the secondary lagoon. Wastewater from the secondary lagoon was land applied prior to the visit and the base of the lagoon was visible with an accumulation of solids.	
Photo#: 14	
Photo Title: 041912_HunterHaven_LH(9)	

Initials: svf


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DIGITAL PHOTO REPORT**

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the feed storage area. The bulk bins and commodity shed are visible at the right. Whey permeate obtained from a cheese plant is stored in the tanks at left. Runoff from this area flows to a grass waterway to the left. Bunker silos are in the background. Kirk Bergstrom and Doug Block are pictured. The view is northwest.	
Photo #: 15	
Photo Title: 041912_HunterHaven_LH(28)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the downhill side of the bunker silo for hay silage, corn silage, and high moisture corn. Waste feed is visible. Runoff flows to the vegetated area with waterways and cropfields to the left. The view is west.	
Photo#: 16	
Photo Title: 041912_HunterHaven_LH(29)	

Initials: svf



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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the covered commodity shed. The view is east.	
Photo #: 17	
Photo Title: 041912_HunterHaven_LH(30)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the west end of the pad in front of the bunker silos. Runoff to the vegetated area to the south is visible. The view is west.	
Photo#: 18	
Photo Title: 041912_HunterHaven_LH(33)	

Initials: svf

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
Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the discharge path from the bunker silos. Waste feed is visible in the foreground. This vegetated area leads to a cropfield. The East Fork Creek is in the valley approximately 2000 feet south of the facility. <small>Exemption 6 and Exemption 7(C)</small>  (calves and heifers) is visible at the upper left. The view is south.	
Photo #: 19	
Photo Title: 041912_HunterHaven_LH(37)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: Another view of a runoff path from the bunker silos. The white tube is a perimeter drain for one of the bunker silos. The waterway drains to a cropfield. The view is south with the East Fork Creek located 2000 ft to the south in the treeline visible in the background.	
Photo#: 20	
Photo Title: 041912_HunterHaven_LH(38)	

Initials: svf


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DIGITAL PHOTO REPORT**

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the manure storage structure for the dry cow barn and feedlot located east of the dairy. Manure is pushed off the concrete feedlot to the structure. The runoff path from this area is visible at the right of the photo. The view is east.	
Photo #: 21	
Photo Title: 041912_HunterHaven_LH(41)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the dry cow pasture looking south from the manure storage structure in Photo 21. Ill. Rte 73 is visible at the left. The East Fork Creek is located near  farm visible at the upper right, 2400 ft from this site.	
Photo#: 22	
Photo Title: 041912_HunterHaven_LH(44)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the interior of the calf barn exemption is an	
farm. The calves are housed in the old dairy barn. A barn cleaner moves manure and bedding to the wastewater detention pond north of the barn.	
Photo #: 23	
Photo Title: 041912_HunterHaven_LH(45)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the barn cleaner discharge for the calf barn. Concrete feedlot runoff also discharges to this detention pond. The East Fork Creek is 100 feet north of this storage area in the pasture at the center right. The view is northwest.	
Photo#: 24	
Photo Title: 041912_HunterHaven_LH(46)	

Initials: svf

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DIGITAL PHOTO REPORT**

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the concrete lot push-off/discharge to the storage area shown in Photo 24. A concrete berm at the right keeps runoff from flowing out of the lane to the right. The view is northwest.	
Photo #: 25	
Photo Title: 041912_HunterHaven_LH(47)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the settling basin for the east side of the concrete lot for heifers. <div style="background-color: black; width: 100px; height: 1.2em; margin: 2px 0;"></div> The view is north.	
Photo#: 26	
Photo Title: 041912_HunterHaven_LH(48)	

Initials: svf


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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the grass filter downhill from the settling basin in Photo 26. This part of the filter is approx. 30' x 130'. The East Fork Creek is visible in the background. Fencing keeps animals out of this area. The view is northwest.	
Photo #: 27	
Photo Title: 041912_HunterHaven_LH(50)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the lane from Photo 25 with the filter from Photo 27 at the right. Flow from the filter crosses the lane and then enters the filter at the left. The berm in the background keeps flow from entering the East Fork Creek in the background. The view is north.	
Photo#: 28	
Photo Title: 041912_HunterHaven_LH(54)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view looking "uphill" into the filter to the left of the previous photo. The view is southeast with a heifer shed at the right.	
Photo #: 29 Photo Title: 041912_HunterHaven_LH(56)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view looking "downhill" toward the continuation of the filter. The filter ends at the fence in the upper center of the photo, 170 ft from this point. The view is west.	
Photo#: 30 Photo Title: 041912_HunterHaven_LH(55)	

Initials: svf


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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: Another view of the concrete floored waste storage structure and barn cleaner shown in Photo 24. Pasture and the heifer barn are visible in the background. The view is east.	
Photo #: 31	
Photo Title: 041912_HunterHaven_LH(57)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the pasture for heifers <small>Exemption 6 and Exemption 7</small> farm. The pasture was vegetated with no stream bank erosion visible. The view is east.	
Photo#: 32	
Photo Title: 041912_HunterHaven_LH(51)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the interior of a calf barn at the West Lott Road farm.	
Photo #: 33	
Photo Title: 041912_HunterHaven_LH(58)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the settling basin for the concrete feedlot at the West Lott Road farm. No animals were in the feedlot during the inspection. The view is north.	
Photo#: 34	
Photo Title: 041912_HunterHaven_LH(59)	

Initials: svf

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DIGITAL PHOTO REPORT**


Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the filter for the settling basin shown in Photo 34. The settling basin is at the right. Lee Heeren and Doug Block are pictured. Evidence of channelization is visible. A freshly repaired berm is visible in the center of the photo. The East Fork Creek is at the upper left. The calf barn from Photo 33 is visible. The view is east.	
Photo #: 35	
Photo Title: 041912_HunterHaven_LH(62)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A "downhill" view of the filter from the location of Photo 35. Pooling is visible in the center of the photo. Calves are in the pasture with access to the East Fork Creek in the center right. The filter is approximately 260' x 30'. No discharge was observed, but filter berms and vegetation must be repaired. The view is west.	
Photo#: 36	
Photo Title: 041912_HunterHaven_LH(60)	

Initials: svf

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Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: A view of the concrete and earthen feedlot at the summer pasture site northwest of the dairy. Runoff flows toward the unnamed tributary located in the treeline. The view is west.	
Photo #: 37	
Photo Title: 041912_HunterHaven_LH(67)	

Date: 4-19-12	Site Name: Hunter Haven
Photo By: Lee Heeren	
County: Carroll	
Comments: Another view of the feedlot for the summer pasture. Runoff from cropfields uphill flows through the culvert in the center of the photo, under the feedbunks, and then across the feedlot to the unnamed tributary located 60 feet past the fence. The view is south.	
Photo#: 38	
Photo Title: 041912_HunterHaven_LH(70)	

Initials: svf